

ABSTRACT OF THE DISCLOSURE

A method of removing a protective group of a nucleotide. In the method storing regions and addresses identifying the storing regions are formed on a track which can be tracked by an optical beam on a substrate; a nucleotide having a protective group is arranged in each of two or more of said storing regions; a storing region in which a nucleotide having a protective group is arranged is selected by reading the address identifying said storing region by said optical beam; the nucleotide having a protective group and arranged in the selected storing region is irradiated by said optical beam; and the protective group of the nucleotide having the protective group is removed. In the method, each of said storing regions has a form of a concave region or a convex region of a first pregroove on said substrate or a flat region on said substrate.